



## G7404-124 Radio Tuning Panel

### GENERAL SPECIFICATIONS

#### Dimensions

- 2.610 (height) x 5.735 (width) x 5.5 (depth) inches, excluding rear connectors

#### Weight

- 2.5 pounds (max)

#### VHF and HF Frequency Ranges

- The default VHF frequency range is 118.00 to 136.97 MHz (136.990 MHz if 8.33 kHz spacing is selected.)
- The default HF frequency range is 2.0 to 29.999 MHz (29.9999 MHz if 0.1 kHz spacing is selected).

#### Electrical Requirements

- Power ..... 28 VDC, 14.5 Watts (max)
- Panel Lighting (Incandescent White)\* ..... 5 VAC variable
- Indicator Lighting (White LEDs)\* ..... 28/12.5 VDC dimming input voltage

\* Minimal current required – only used for brightness level monitoring

#### Connectors

- J1 Mating: M83723-75R-2041N, or equivalent 41 pin connector
- J2 Mating: M83723-75R-1624N, or equivalent 24 pin connector



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## Color

- Front Panel – Non-reflective Gray FED STD 595b36118
- Knobs – Boeing Gray BAC #705
- Front Panel Markings – White FED STD 595b37875 (Futura Medium and Futura Medium Condensed font)
- Push Buttons – Non-reflective Black FED STD 595b37038

## Compliance

- RTCA/DO-156, RTCA/DO-157, RTCA/DO-160C (Environmental), RTCA/DO-163, RTCA/DO-178B (Software)
- ARINC 429, ARINC 716, ARINC 719, ARINC 720, ARINC 724B, ARINC 750, ARINC 753
- Boeing D6-52191-1 Rev B

## Certification

- TSO-C31d, TSO-C32d, TSO-C37d, TSO-C38d
- B737-600/700/800/900

## Features

- Dual HF data link capable
- VHF and HF radio status monitoring
- Functional settings maintained in non-volatile memory during power cycle conditions
- VHF COMM test function
- DATA mode selection via frequency selector
- Standby frequency cross tuning
- Voice mode protect capable
- VHF 2/3 data capable
- VDL Mode 2 capable
- Variable rate tuning for rapid selection of 8.33 kHz channels
- VHF3, HF1, HF2 absent discrete
- INOP feature using front panel inputs
- 8.33 kHz capable
- Digital RF sensitivity control
- HF wide range disable
- HF 0.1 kHz spacing
- HF AM/SSB function
- Modifiable for HF data link transmit inhibit override function
- Liquid spill-proof design
- Reliable switch design
- Built-in-test (BIT) capability
- Non-volatile storage of front panel settings
- Modular design provides flexibility for custom layouts
- Modular construction contributes to economical maintenance
- MTBF (Calculated): 15,000 operating hours

## Gables Engineering Inc.

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Proprietary Information  
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